



SCTR's
Pune Institute of Computer Technology

Pioneer in the Field of Computer Education



First Year Engineering (FE)

Information Brochure 2022-23

VISION

Pune Institute of Computer Technology aspires to be the leader in higher technical education and research of international repute.

MISSION

To be the leading and most sought after Institute of education and research in emerging engineering and technology disciplines that attracts, retains, and sustains gifted individuals of significant potential.

PICT

Always a Step Ahead

Ranking & Accreditation

- AICTE Approved and Affiliated to Savitribai Phule Pune University (SPPU)
- PICT is ranked 8th among all the Private Engineering Institutes in India. It is ranked 1st among all the Private Engineering Institutes in Maharashtra and has successfully secured 4th position among all the Engineering Institutes including IITs, NITs, and Govt. Colleges in Maharashtra (as per the survey conducted by EDU-RAND, 2015).
- As per the NIRF 2021 Ranking, PICT is placed in the ranking band : 201 to 250.
- UGC Approved and ISO 9001:2015 Certified.
- All UG programmes are NBA Accredited (CE and E&TE – 6 times, IT – 4 times).
- NAAC Accredited (3rd Cycle).
- Grade “A” by DTE, Govt. of Maharashtra.

Results & Placement

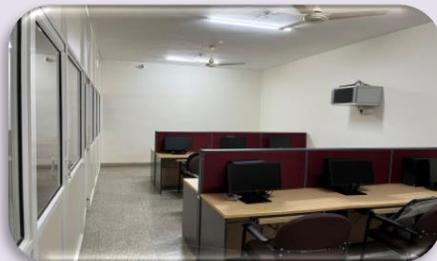
- In May 2022 B.E. Examination conducted by SPPU, PICT topped the list with highest number of distinctions (96.47%) and pass percentage of 98.40.
- 150+ Reputed Companies visit PICT regularly for placement.
- A.Y. 2021-22 fetched job opportunities for 671 students by hosting around 100 niche and 50+ variant companies with an average package of 11.08 LPA and highest pay package of 1.12 Cr.
- In ongoing placement process of A.Y. 2022-23, 395 students are placed with an average package of 15.50 LPA.

Research & Development

- The PICT Research Policy encourages faculty and students to carry out research and innovative activities by providing all the necessary support including financial assistance in few cases. To inculcate and encourage research culture ,various facilities / cells/ groups are created like Start-up and Innovations Cell (SIC)/ Entrepreneurship & Development Cell (EDC) / Department/Central Research Facility, Domain Research Groups, Intellectual Property Rights Cell (IPRC), Industry Institute Partnership Cell (IIPC), International Relations Cell (IRC), Centre of Excellence (CoE)/Innovation, etc.
- The faculty and students are motivated , encouraged, supported , and guided to submit research and consultancy proposals to various the funding agencies/industries. In addition to this, a small research fund is also provided in case there is no/ insufficient fund received from external agencies.
- We have been receiving research projects/ funds from various agencies like AICTE, DRDO, ISRO, DST, RGSTC, SPPU , etc. For the last three years the total sanctioned research fund is around 2 Cr and the total consultancy amount for the last one year is around 20 Lakhs.
- The focus of research is in the areas of AI & ML, Data Science, Wireless Communication including 5G Communication and Cognitive Radio, Blockchain & System Security, Cyber Security and Ethical Hacking, Mechatronics, VLSI, IOT, and Industry 4.0.
- Research Cells/groups are formed to streamline the research in domains like Advanced Communication, AI /ML Applications (including Healthcare & Agriculture), Computational Linguistic, Intelligent Learning, Big Data & Text Analytics, and Software Application development.
- PICT is a SPPU recognized research centre (PhD)



Research Lab



Multi-Disciplinary Research Lab



Sponsored Project Lab

Technical Competitions

HACKATHON & ROBOCON

PICT teams are honored at various HACKATHON and ROBOCON competitions at the National as well as International levels.

- 6 Teams won the prizes in Grand Finale of Smart India HACKATHON (SIH) 2022 and won prize money ₹ 1 Lakh each. 11 Teams won the prizes in Grand Finale of SIH 2019 & topped the list all over India.
- PICT Team was the runner up in #CodeForCOVID19 Global Category and won the prize of \$10,000 and Third Runner up at the Singapore-India International HACKATHON.
- PICT had won a prize of ₹ 2 Lakh at Voice Based Payments National HACKATHON, prize of ₹ 1 Lakh each in Hardware and Software Edition at Smart India HACKATHON 2020, Second prize at D3 HACKATHON, and a Special Mention Award at Manipal HACKATHON.
- PICT ROBOCON Team stood 4th in 2014, 11th in 2017 and 14th in 2018, 13th in 2019, and 6th in 2022 at the National ROBOCON Contest.
- PICT Team had also won the Prestigious Microsoft Imagine Cup.



Winning Students' Teams in Grand Finale of SIH-2022



Students Team in ROBOCON-2022 at Delhi

PICT Governance

Management



Mr. R. S. Kothavale
Managing Trustee, SCTR



Mr. Swastik Sirsikar
Secretary, SCTR

Leadership



Dr. P.T. Kulkarni
Director



Dr. S.T. Gandhe
Principal

Heads of the Department



Mr. E.M. Reddy
First Year Engineering



Dr. G.V. Kale
Computer Engineering



Dr. M.V. Munot
Electronics &
Telecommunication
Engineering



Dr. A.S. Ghotkar
Information Technology

ABOUT PICT

Pune Institute of Computer Technology (popularly known as PICT) an elite academic Institute playing an inspiring role in the education sector since its establishment in 1983 and it is located in National Education Hub Pune, which is rightly known as “The Oxford of the East”. We believe in value-based quality education in the field of Information and Communication Technology (ICT) and we are constantly endeavouring to achieve higher levels of technical excellence by offering under-graduate (UG) programmes in Computer Engineering (CE), Electronics & Telecommunication Engineering (E&TE), and Information Technology (IT); and post-graduate (PG) programmes in Computer Engineering, Data Science, Electronics & Communication (Wireless Communication Technology), and Information Technology. It is also a Savitribai Phule Pune University (SPPU) recognized Research Center in Computer Engineering and Electronics & Telecommunication Engineering.

In an endeavour to generate opportunities for the students to realize their dream of starting up their own business/enterprise, and to empower the young talented students to transform their research/findings/innovative ideas into a successful product or service that creates values, PICT has established various Cells. We are creating a space/ opportunity to empower young talented individuals to be a job provider than a job seeker, in line with Govt. of India’s most ambitious schemes like, Make in India and AatmaNirbhar Bharat Abhiyan.

Seat Matrix (UG)

Course	Sanctioned Intake (SI)	CAP Seats (80% of SI)		Institute Level Quota (Management) (20% of SI)		Supernumerary Seats (15% of SI)	
		Maharashtra State (M.S.) Candidates (65% of SI)	All India Candidates (15% of SI)	Other than NRI (15% of SI)	NRI (5% of SI)	OCI/FN (2/3 of 15%)	CIWGC (1/3 of 15%)
Computer Engineering	240	156	36	36	12	24	12
Electronics and Telecommunication Engineering	240	156	36	36	12	24	12
Information Technology	180	117	27	27	9	18	9

In addition to the above, few seats are reserved for EWS (10%), TFWS (5%), J&K (1 per course), and JK/PMSSS (approx. 8 to 10)

PICT Campus Tour



Our campus spread over 5 acres, is a garden of peace and tranquillity which gives students the safe haven to explore their careers as well as identities as citizens of India.



PICT is the second home to over 346 hostellers, 3000+ day scholars, and 250+ staff. Our campus is also equipped with Internet and ICT facilities along with the generator and UPS backup. The campus accommodates the differently abled persons by providing facilities like wheelchair, Lifts, Ramp, etc. The campus also has a well-maintained Guest house that ensure comfortable stay for visitors.



The Canteen serves as the source of mouth-watering and hygienic food which helps students' power through their days in the institute and also caters to the needs of faculty, parents, and visitors to the campus. The dining hall is filled with students who enjoy their friends' company while having their meals or brunch.



Sports and recreational facilities like basketball, volleyball, table tennis, chess and carrom are available to students as well as faculty.

Sports and cultural activities are organized regularly in order to keep the spirits high and lead a balanced and healthy lifestyle. Intra-college as well as intercollege events allow students to explore their potential to the highest extent.



Yoga, one of the most proven methods to keep our body and mind fresh, is organised regularly for students as well as faculty.

To take care of students and staff health, 24x7 medical facility is available in the campus.

Infrastructure Facilities



Smart Classroom



Laboratory



Library



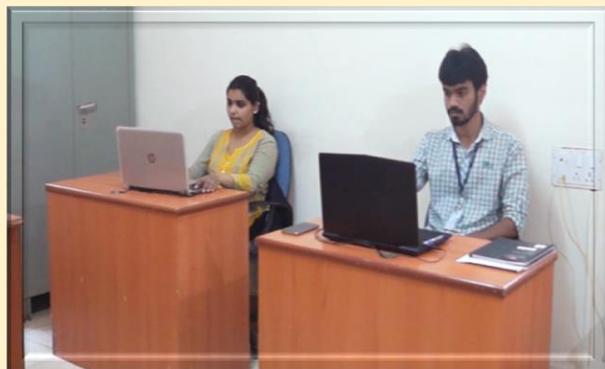
Digital Library



3D Printing Lab



Start-up & Innovation Cell



Entrepreneurship & Development Cell



Computer Center

Infrastructure Facilities



Auditorium



CE Seminar Hall



IT Seminar Hall



E&TE Seminar Hall



Workshop



Drawing Hall

Sports Facilities



Volleyball Court



Basketball Court



Table Tennis



Cricket Net



Chess



Carrom

Co-curricular Activities



PICT- ACM Student Chapter (PASC)



PICT – IEEE Students Branch (PISB)



PICT- CSI Student Branch (PCSB)



Impetus & Concepts (InC)



PICT Automobile Club (PAC)



PICT DebSoc



PICT MUN



Lively Environment

Extra-curricular Activities



Purushottam Karandak Winner -2015



MIT Aarohan Winners -2022



International Yoga Day



India's First Intercollegiate Teacher's Sport Competition Winner



Diya Oswal represented in All India Inter University Fencing Competition held at GNDU Amritsar



First Year Engineering Department



First Year Engineering Department has well qualified, dynamic, and experienced faculty who motivate the students to prosper in their academic and professional career.

The faculty not only provide quality education but also mentor the students to harness their inner capabilities. The faculty are encouraged and provided necessary assistance and guidance to promote research culture. Many faculty are contributing to research activities through funded projects of SPPU. The faculty arrange, contribute, and participate in various technical conferences, seminars, workshops, FDPs, STTPs at State and National level. A good number of papers are published by our faculty in reputed National and International Journals. Department is also supported by equally energetic support staff.

Department is committed to implement 3- weeks Induction Program for freshers as per the guidelines given by AICTE and SPPU. Strong UHV team look after the successful conduction of Student Induction Program.

First Year Engineering Faculty

Engineering Mechanics & Environmental Studies – I/II



Mr. E. M. Reddy
Asst. Professor
M.E. – Civil (Structures)
Email: emreddy@pict.edu



Mr. P. D. Jadhav
Asst. Professor
M.E. – Civil (Structures)
Email: pdjadhav@pict.edu



Ms. K. R. Jadhav
Asst. Professor
M.E. – Civil (Construction Management)
Email: krjadhav@pict.edu



Ms. S. A. Barde
Asst. Professor
M.E. – Civil (Structures)
Email: sabarde@pict.edu



Mr. R. R. Vardhaman
Asst. Professor
M.E. – Civil (Structures)
Email: rrvardhaman@pict.edu



Mr. N. A. Shete
Asst. Professor
M. Tech Civil (Construction Management)
Email: nashete@pict.edu

Systems in Mechanical Engineering & Engineering Graphics



Dr. A. M. Deshmukh
Asst. Professor
M.E.- Mechanical (Heat Power)
Ph.D.- Mechanical Engineering
Email: amdeshmukh@pict.edu



Mr. H. M. Hiwase
Workshop Superintendent
M.E.- Mechanical (Heat Power)
Pursuing Ph.D.
Email: hmiwase@pict.edu



Dr. S. V. Mundhe
Asst. Professor
M.E.- Mechanical (Heat Power)
Pursuing Ph.D.
Email: svmundhe@pict.edu



Mr. N. P. Sapkal
Asst. Professor
M.E.- Mechanical (Heat Power)
Email: npsapkal@pict.edu



Mr. M. D. Bandkar
Asst. Professor
M.E.-Production
Email: mdbandkar@pict.edu



Mr. A. A. Chavan
Asst. Professor
M.E.- Production
Email: aachavan@pict.edu



Mr. N. V. Sangade
Asst. Professor
M. Tech.- Thermal Engg.
Email: nvsangade@pict.edu



Mr. S. D. Hade
Asst. Professor
M.E.- Mechanical (Heat Power)
Email: sdhade@pict.edu



Mr. R. P. Tadakhe
Asst. Professor
M.E.- Mechanical (Automobile)
Email: rptadakhe@pict.edu



Ms. A. N. Sayyad
Asst. Professor
M.E.- Mechanical
Email: ansayyad@pict.edu

First Year Engineering Faculty

Basic Electrical Engineering



Mrs. A. A. Joshi
Asst. Professor
M.E.- Electrical, MBA
Email: aajoshi@pict.edu



Mr. S. U. Bagade
Asst. Professor
M. Tech. - Power Electronics
and Drives
Email: subagade@pict.edu



Mr. A. S. Bodhe
Asst. Professor
M. Tech.- Power Electronics
Email: asbodhe@pict.edu



Mr. V. R. Bhoi
Asst. Professor
M. Tech. - Power Systems
Email: vrbhoi@pict.edu

Engineering Physics



Mr. H. S. Khatri
Asst. Professor
M.Sc. – Physics, NET, SET
Email: hskhatri@pict.edu



Dr. U. Polina
Asst. Professor
Ph.D.– Physics
Email: ushapolina@pict.edu



Mr. K. D. Kulkarni
Asst. Professor
M.Sc. – Physics, SET
Email: kdkulkarni@pict.edu



Mr. R. T. Mali
Asst. Professor
M.Sc. – Physics, SET
Email: rtmali@pict.edu

Engineering Chemistry



Dr. B. M. Vyas
Asst. Professor
Ph.D. – Chemical Engg.
Email: bmvyas@pict.edu



Dr. S. T. Gawhale
Associate Professor
Ph.D. – Chemistry
Email: stgawhale@pict.edu



Dr. P. G. Umape
Asst. Professor
Ph.D. – Chemistry
Email: pgumape@pict.edu



Mr. A. M. Kulkarni
Asst. Professor
M.Sc.- Chemistry, NET
Email: abhishekmkulkarni@pict.edu

Engineering Mathematics- I/II/III



Mr. N. A. Gadade
Asst. Professor
M.Sc.-Mathematics, NET, SET
Email: nagadade@pict.edu



Mrs. V. J. Damle
Lecturer (Sr. Scale)
M.Sc.- Mathematics, M. Phil.
Email: vjdamle@pict.edu

First Year Engineering Faculty

Engineering Mathematics- I/II/III



Mr. V. B. Tanpure
Asst. Professor
M.Sc.- Mathematics, NET
Email: vbtanpure@pict.edu



Mr. V. B. Patole
Asst. Professor
M.Sc.- Mathematics, SET
Email: vbpatole@pict.edu



Mr. P. S. Patil
Asst. Professor
M.Sc.- Mathematics, SET
Email: pspatil@pict.edu



Mr. Nadeem A.
Asst. Professor
M. Tech. - Mathematics, SET
Email: namdeemanwar@pict.edu



Mr. H. S. Masal
Asst. Professor
M.Sc.- Mathematics, NET,
M. Phil.
Email: hasmasal@pict.edu



Mr. G. R. Tungaskar
Asst. Professor
M.Sc.- Mathematics, SET
Email: grtungaskar@pict.edu



Ms. S. S. Patil
Asst. Professor
M.Sc.- Mathematics, B. Ed, SET
Email: sujataspatil@pict.edu



Mr. M. K. Kadam
Asst. Professor
M. Sc. Tech. Mathematics, SET
Email: mkkadam@pict.edu

Basic Electronics Engineering



Dr. D. D. Pradhan
Asst. Professor
Ph.D.- Electronics
Engineering
Email: ddpradhan@pict.edu



Ms. H. S. Jain
Asst. Professor
M.E.- Digital Systems
Email: hsjain@pict.edu



Dr. P. B. Pawar
Asst. Professor
Ph.D. & Post. Doc.-
Electronics &
Telecommunication
Email: pbpawar@pict.edu

Programming & Problem Solving



Dr. S. A. Joshi
Professor
Ph.D. – Computer
Engineering
Email: sajoshi@pict.edu



Ms. K. Gangrade
Asst. Professor
M. Tech -Computer Science
Email: kgangrade@pict.edu

First Year Engineering Supporting Staff

Name	Qualification	Laboratory
Mrs. Archana V. Patil	DCE	Civil Engineering
Mr. Vijay A. Manmode	DME, Pursuing AMIE	Mechanical Engineering
Mr. Malhar V. Shaligram	DME	Mechanical Engineering
Mrs. Jayashree N. Buradkar	M.E. (Power Systems)	Electrical Engineering
Mr. Aviansh D. Torane	BCA	Engineering Physics
Ms. Prajakta D. Vanarse	M.Sc.	Engineering Chemistry
Mr. Sandeep N. Deokate	ITI, NCTVT	Workshop
Mr. Nandkishor S. Mirajkar	ITI, NCTVT	Workshop
Mr. Gajendra S. Khairmode	ITI, NCTVT	Workshop

FE Department Laboratories



Engineering Mechanics



Systems in Mechanical Engineering



Basic Electrical Engineering



Basic Electronics Engineering



Engineering Physics



Engineering Chemistry

SPPU Examination Results

First Year Engineering

DISTINCTION



ALL CLEAR



FIRST CLASS + DISTINCTION



ALL CLEAR + ATKT



College Toppers in University Examination (A. Y. 2021-22)

First Year Engineering

Following Students scored 10/10 SGPA in the FE Examination conducted by SPPU

Taras Ashwin



Rank 1
(97.38 %)

Bhojar Sunay



Rank 2
(96.31 %)

Date Aditi



Rank 2
(96.31 %)

Training and Placement (T&P)

The Training and Placement (T&P) Cell plays an integral role in journey of the students, aspiring for dream jobs. The T&P Cell at PICT serves as an aerodrome for the flights of the young undergrads and post grads to be taken-off to greater horizons and heights beyond imagination. Every incoming batch raises the bar for the upcoming batches and remarkably takes the baton ahead.

The T&P Cell has a firm conviction about the inevitable role of the soft skills in the overall

development of the buddy engineers, regardless of their career choices. The T&P Cell, thus caters to the to the aspirations and the interests of the students and endeavours to make them professionally well-equipped. Eligibility test like AMCAT are conducted along with various training sessions.

Regardless of the hard-hitting pandemic wave, the Academic Year **2020-21** witnessed complete online placement.



National Employability Award by SHL



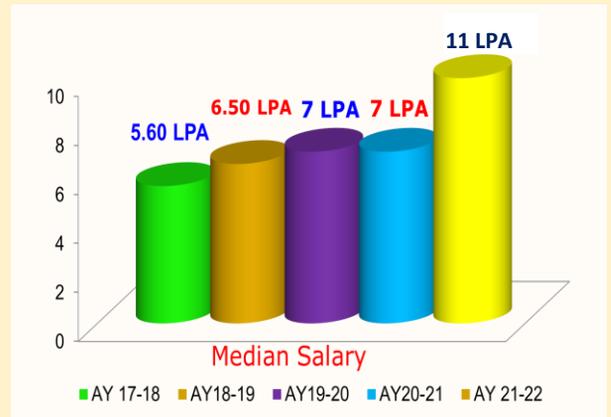
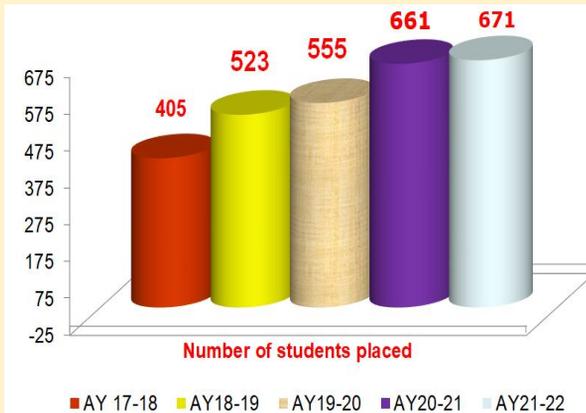
Students selected by Master Card

Some of the Companies Visiting PICT

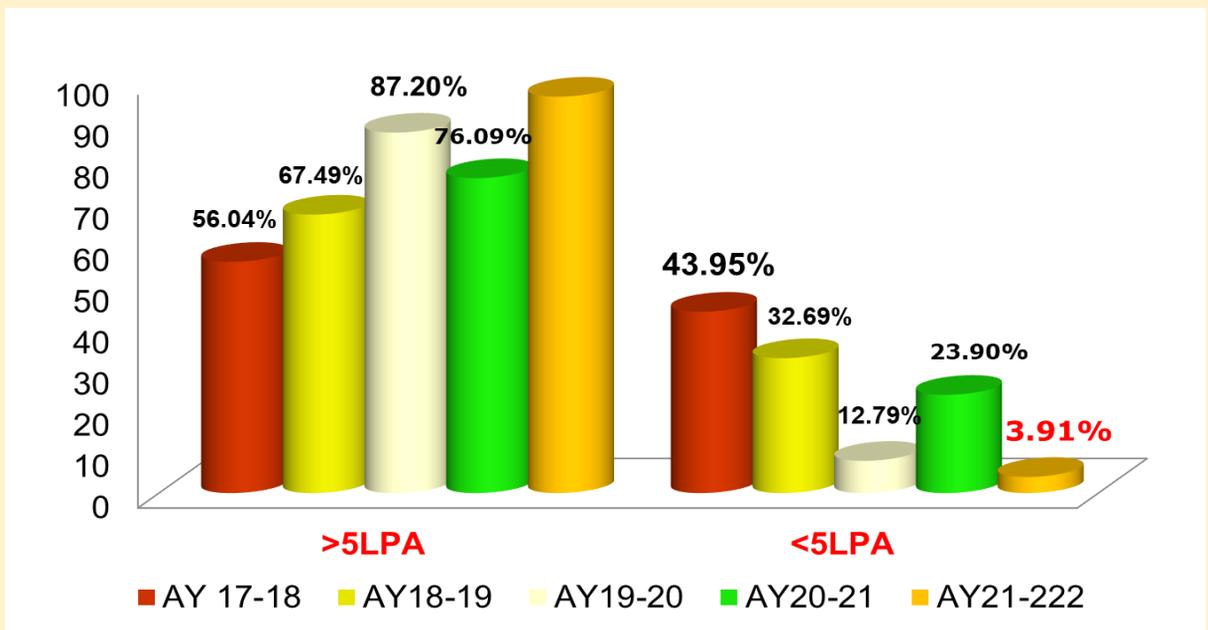
ABS	Dunzo	Jombay	Sagitec
Accenture	ElasticRun	K12 Techno Services	Salesforce
ACI Worldwide	Endurance International	Kylas	Samsung Semiconductor
Acquia	EnthrallTech	L & T Infotech	Scalex Technology
ADP	EPIKInDiFi	Mastercard	Schlumberger
Agiliad	eQ Technologic	McKinley & Rice	Screen Magic
AlefEdge	Ernst & Young	Media.net	SE2
Altizon Inc.	Espressif Systems	Medly Pharmacy	Sedemac Mechatronics
Amdocs	Eumentis Cloud	Merilytics	Sell.do
Amura	Extramarks Education	Mindstix Software Labs	Siemens
Anchanto	e-Zest	MindTickle	Sophos
Apisero	Fabric Inc	miniOrange	Swasthya AI
Arista Networks	FinIQ	Moxie	Symbal.ai
Atos	Flo Group	NICE Systems	Talentio
Avalara Technologies	FlexTrade	NTT Data	TCS Digital
Avaya	GNS Engineering India	oneXtel	TCS Ninja
Barclays	Goldman Sachs	Persistent	TechVerito
Bitwise	Growisto	PharmEasy	TIBCO
bizAmica Software	HCL Technologies	PhonePe	Tracelink
BNY Mellon	Helpshift Technologies	PlanetSpark	TripStack
BrightChamps	Hexaview Technologies	Platform9 Systems	UBS
BUDDI.AI	Hexaware Technologies	Principal Global Services	udChalo
CakeSoft Technologies	Hitachi Vantara	Product Dossier	Ugam
Capgemini	HPE	PTC Software	Unschool
Centiro	HSBC	PubMatic	Uolo.com
Ciena	Icertis	Purplle.com	Vadini Infocenter
Cloudwerx	IdeaS A SAS	Quantiphi	Valuence Holdings
CLSA	IDFC FIRST Bank	RackWare Technologies	Veritas Technologies
Code Nation	IGT Solutions	Rakuten	Vertical Fox
Codevita Live	Incubyte	Rayden Design	Vodafone
Cognizant	Infogen Labs	RBL Bank	Wednesday Solutions
CrowdStrike	Infosys	Red Panda	Whiz.ai
Delhivery	Inteliment	RIA Advisory	Winjit Technologies
Deqode	iQ Digital	rtCamp	Yardi
Deutsche Bank	Jaro Education	Rudder Analytics	Zlen
Druva	JISA Softech	Ryussi Technologies	Zocdoc
ZS Associates			

Placement Statistics Showcasing Continual Improvement

Number of Companies Hosted and Median Salary



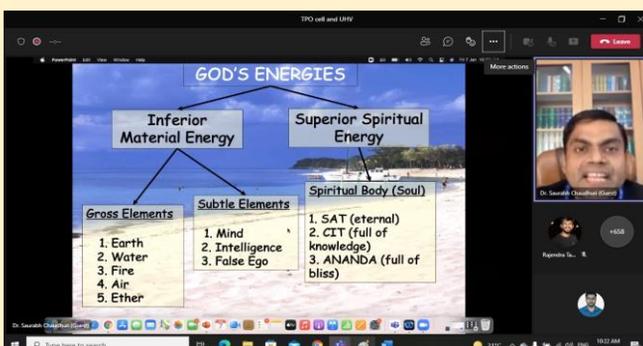
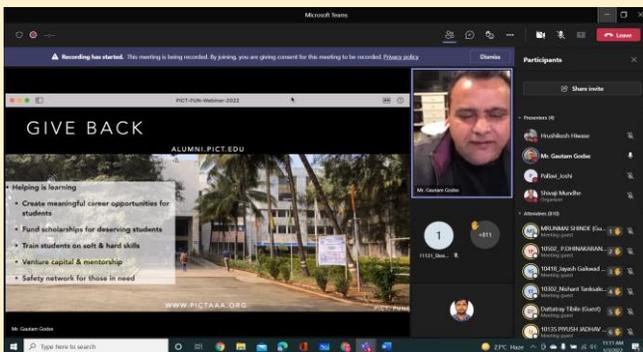
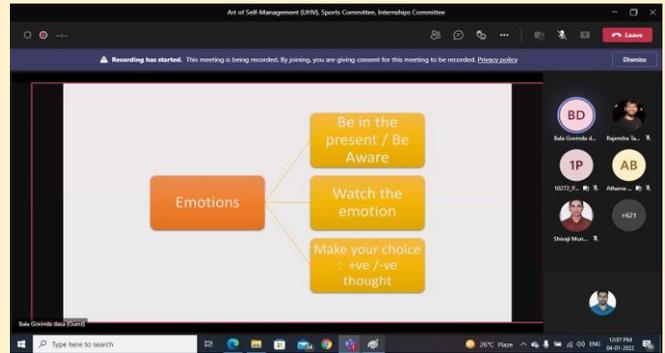
Percentage of the Students Placed in Niche Companies



FE Welcome Address & Student Induction Program

A.Y. 2021-22

Due to the unprecedented COVID-19 pandemic situation, last year's (AY 2021-22) FE Welcome Address and Student Induction Program (SIP) was conducted online. Experts, Eminent speakers from various fields, and Social Organizations contributed on various fronts in the successful conduction of the program.



Scholarships

Sr. No.	Scholarships	Criteria
1	CybageKhushboo	<p>1. More than 60% marks in Class 10, and Class 10+2 or Diploma final examination.</p> <p>2. The total family income less than Rs. 3 lakh per annum.</p> <p>3. Admission obtained on the basis of merit and not through capitation.</p> <p>http://cybagekhushboo.org/ http://www.cybagekhushboo.org/login</p>
2	Lila Poonawalla Foundation	Economically backward girl student (scholarly)
3	Hinduja Foundation	Based on Higher Secondary School Certificate Examination merit
4	Persistent Foundation	Economically backward girl student (scholarly)
5	Katalyst	<p>Only for girls of FE & Direct Second Year (DSE) having 80% marks in PCM of Class XII/ Diploma</p> <p>http://katalystindia.org/</p>

Note: Please contact PICT Admin Office for more details about Scholarships.

Various Forms/Documents to be submitted for Scholarship/Examination

Sr. No.	Govt. Scholarship	Documents Required	When to Submit
1.	Scholarship / Freeship & Rajarshi Chattrapati Shahu Maharaj scheme (EBC/EWS) https://mahadbtmahait.gov.in	a) Admission Confirmation Letter (CAP ID) b) Caste Certificate (if applicable) c) Caste Validity Certificate (if applicable) d) Non-Creamy Layer Certificate valid upto 31 st March 2023. (if applicable) e) Father's Income Certificate Issued by Tahasildar in original upto 31 st March 2023. f) Last Qualifying Exam Mark Statement g) Bank Account (Photocopy) h) UID/EID No. (Photocopy) i) Fee Receipt j) GAP Certificate / Affidavit (if applicable) k) Leaving Certificate l) Domicile Certificate m) Father's Death Certificate (if income certificate mentioning name of the mother) n) Parent's declaration form Note:- Annual income of the family should not exceed Rs. 8 Lakh. For OBC, SBC, VJNT & OPEN (EBC/EWS) Category Students.	Schedule will be displayed on the Digital Notice Board
2.	Punjabrao Deshmukh Hostel Allowance	All Attested Documents in Sr. No.1 and a) Registered rent agreement/registered hostel's certificate b) Parent's Adhaar card c) Parent's declaration form	
3.	University Examination	a) Photocopy of Last Qualifying Examination Marks Statement	

Note:

- a. If any of the certificate(s)/document(s) in original is/are not submitted within specified time limit, the admission of the student may be cancelled as per the rules, by the Competent Authority.
- b. All admissions (FE / SE Direct) are subject to approval from the competent authorities.

Course and Credit Structure

Savitribai Phule Pune University : Faculty of Engineering
Structure: First Year Engineering
with effect from A.Y. 2019-20

TABLE-1 First Year Engineering _Structure for Semester-I

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107001	Engineering Mathematics-I	03	--	01	30	70	25	--	--	125	03	--	01	04
107002/ 107009	Engineering Physics/ Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
102003	Systems in Mechanical Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
103004/ 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
111006	Workshop@	--	02	--	--	--	--	25	--	25	--	01	--	01
Total		16	10	01	150	350	25	125	--	650	16	05	01	22

101007 Audit Course 1& 02 Environmental Studies-I

Induction Program : 2 weeks at the beginning of semester-I and 1 week at beginning of semester-II

TABLE-2 First Year Engineering _Structure for Semester-II

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107008	Engineering Mathematics-II	04	--	01	30	70	25	--	--	125	04	--	01	05
107002/ 107009	Engineering Physics/ Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
103004/ 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
102012	Engineering Graphics ^Ω	01	02	01	--	50	25	--	--	75	01	01	--	02
110013	Project Based Learning [§]	--	04	--	--	--	25	50	--	75	--	02	--	02
Total		15	12	02	120	330	75	125	--	650	15	05	02	22

101014 02 Environmental Studies-II

107015 -- Physical Education-Exercise and Field Activities

Notations:

- Ω: 1 Credit for Engineering Graphics theory has to be awarded on the basis of End Semester Examination of 50 marks while 1 credit of tutorial and practical shall be awarded on internal continuous assessment only.
- @: Credit for the course of workshop practical is to be awarded on the basis of continuous assessment / submission of job work.
- §: Project based learning (PBL) requires continuous mentoring by faculty throughout the semester for successful completion of the tasks selected by the students per batch. While assigning the teaching workload a load of 2 hours/week/batch needs to be considered for the faculty involved. The Batch needs to be divided into sub-groups of 5 to 6 students. Assignments / activities / models/ projects etc. under project based learning is carried throughout semester and Credit for PBL has to be awarded on the basis of internal continuous assessment and evaluation at the end of semester.
- &: Audit course for Environmental Studies I and II (As per D.O.No.F.13-1/2000 (EA/ENV/COS-I) dated 14 May 2019) is mandatory but non-credit course. Examination has to be conducted at the end of Sem I & II respectively for award of grade at college level. Grade awarded for audit course shall not be calculated for grade point & CGPA. Audit course for Physical education is mandatory non-credit course. Examination has to be conducted at the end of semester for award of grade at college level. Grade awarded for audit course shall not be calculated for grade point & CGPA.
- *: Professional courses include – Engineering Science Courses including Workshop, Drawing, Basics of Electrical/Electronics/Mechanical/Computer /Civil Engineering, Humanities and Social Sciences including Management/ Finance Management Courses, Basic Science Courses and Professional Core Courses.
- ^: Professional Elective courses relevant to chosen specialization/branch and Open Electives (interdisciplinary and/or emerging technology).
- #: There will be mandatory Non-Credit Course per Semester viz- Environmental Studies, Indian Constitution, Essence of Indian Traditional Knowledge, financial Management and courses introduced time to time by university or apex bodies.
- §: Internship to be completed after semester 5 and to be assessed in semester 6. Internship will be of 4 to 6 weeks maximum.

Credit Structure for UG Programme in Engineering

Credits Offered									
Course Work	Semester								Total
	I	II	III	IV	V	VI	VII	I	
Professional Theory Courses *	17	16	15	12	12	6	6	6	90
Elective Courses^	-	-	-	-	3	3	6	6	18
Laboratory Courses/ Continuous Assessment/TW	5	4	7	8	5	5	6	2	42
Seminar & Communication Skills	-	-	-	-	1	1	-	-	2
Project Work	-	-	-	-	-	2	2	6	10
Project Based Learning	-	2	-	2	-	-	-	-	4
Internship\$	-	-	-	-	-	4	-	-	4
Total	22	22	22	22	21	21	20	20	170
Mandatory Non-Credit (Graded) Audit Course # per semester									
Induction Program at First Year Engineering				3 weeks duration (2 weeks at the beginning of Sem-I & 1 week at the beginning of Sem -II)					

Examination Scheme: (Rule 2 of 'Rules and Regulations for UG Credit System')

- The theory examination shall be conducted in two phases for all the subjects of Semester-I to Semester-VIII.

Structure of Question Paper: (Rule 3 of 'Rules and Regulations for UG Credit System')

- Marks weightage to be given for Phase-I In-Semester Examination (ISE) and Phase-II End- Semester Examination (ESE) is as shown below:

Unit Number	Phase-I ISE Marks Weightage	Phase-II ESE Marks Weightage
1	15	-
2	15	-
3	-	18
4	-	17
5	-	18
6	-	17

- Paper will have only one section and two questions for ISE and four questions for ESE. For each question there will be an alternate question based on same unit and of the same marks.
- Framing of questions should be according to Anderson/Bloom's Taxonomy and disseminated through the question papers with a mention of course outcomes as well.

Rules of Passing: (Rule 5 of ‘Rules and Regulations for UG Credit System’)

- To pass the Term Work / Practical / Oral/ Presentation, the student has to earn Minimum of 40 percent marks in each respective examination head.
- To pass the Theory Subject head, the student has to earn minimum of 40 percent marks in End Semester Examination and 40 percent total marks (In-Semester Examination and End-Semester Examination).
- The failing student can repeat the End-Semester Examination to pass the head in any semester and the In-Semester Examination marks will be retained as it is. OR the failing student can repeat for the End-Semester Examination as well as In-Semester Examination for the head of Even semester in the Even semester only and for the head of Odd semester in the Odd semester only for the theory head.
- To earn credits of a course (Theory/Term Work/Practical/Oral/Presentation) student must pass the course with minimum passing marks/grade.
- Student can apply only for the Revaluation/Photocopying of End-Semester theory examination.

Rules of ATKT (Allowed to Keep Term): (Rule 6 of ‘Rules and Regulations for UG Credit System’)

- A student can register for the third semester (SE), if he/she earns minimum 50% credits of the total of first and second semesters (FE).
- A student can register for the fifth semester (TE), if he/she earns minimum 50% credits of the total of third and fourth semesters (SE) and all the credits of first and second semester (FE).
- A student can register for the seventh semester (BE), if he/she earns minimum 50% credits of the total of fifth and sixth semesters (TE) and all the credits of third and fourth semester (SE).
- A student will be awarded the Bachelor’s Degree, if he/she earns 170 credits and clears all the mandatory Non-credit courses in respective semesters.

Assessment and Grade Point Average: (Rule 7 of 'Rules and Regulations for UG Credit System')

- Marks/Grade/Grade Point, A grade is assigned to each head based on marks obtained by a student in examination of the course. The marks obtained in In-Semester and End-Semester Examination are considered together to calculate the grade of the course. These grades, their equivalent grade points are given in following table:

Grade and Grade Point			
Grade	Grade Point	Percentage of Marks Obtained	Remarks
O	10	90-100	Outstanding
A	9	80-89	Very Good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
E	5	40-49	Below Average
F	0	Below 40	Fail
FX	0	-	Detained, Repeat the Course
IC	0	-	Incomplete Course-- Absent for Exam but continued for the course
AC	-	-	Audit Course Completed
ACN	-	-	Audit Course Not Completed

Passing Grade:

- The grades O, A, B, C, D, E are passing grades.
- A candidate acquiring any one of these grades in a course shall be declared as PASS. And student shall earn the credits for a course only if the student gets passing grade in that course.
- F Grade -The grade F shall be treated as a failure grade.
- The student with F grade will have to pass the concerned course by re-appearing for the examination.
- The student with F grade for any stage of the Project Work will have to carry out additional work/ improvement as suggested by the examiners and re-appear for the examination.

- AC and ACN Grade -The student registered for audit course shall be awarded the grade AC after satisfactory completion of audit course and shall be included in the Semester grade report for that course, provided student has the minimum attendance as prescribed by the SPPU and satisfactory In-Semester performance and secured a passing grade in that course. Student who is unable to complete audit course will be awarded as ACN grade.
- FX Grade-The grade FX in a course is awarded by the college, if a student does not maintain the minimum attendance in the Lecture / Tutorial class as prescribed by the SPPU and/or his performance during the semester is not satisfactory and/or he/she fails in the Term Work head of that course.
- The student with FX grade in a given course is not permitted to take the End Semester Examination in that course. Such a student will have to re-register for the course.
- The student with F / FX in a course shall not be awarded any credits for that course.

PERFORMANCE INDICES: (Rule 8 of 'Rules and Regulations for UG Credit System')

- The semester end grade sheet will contain grades for the courses along with titles and SGPA. The Final grade sheet and the transcript shall contain CGPA.
- **SGPA** -The performance of a student in a semester is indicated by a number called the **Semester Grade Point Average (SGPA)**. The SGPA is the weighted average of the grade points obtained in all the courses, seminars and projects registered by the student during the semester.
- Semester Grade Point Average(SGPA) =

$$SGPA = \frac{\sum_{i=1}^p C_i G_i}{\sum_{i=1}^p C_i}$$

$$SGPA = \frac{\sum \text{Grade Point Earned} \times \text{Credit for each course}}{\text{Total Credits}}$$

For Example: suppose in a given semester, a student has registered for five courses having credits C1, C2, C3, C4, and C5; his / her grade points in those courses are G1, G2, G3, G4, and G5 respectively.

Then student's,

$$\text{SGPA} = \frac{C1G1 + C2G2 + C3G3 + C4G4 + C5G5}{C1 + C2 + C3 + C4 + C5}$$

SGPA and CGPA is calculated up to two decimal places by rounding off.

- **CGPA-** The CGPA is the weighted average of the grade points obtained in all the courses (Theory/Term Work/Practical/Oral/Presentation) of first semester to eighth semester for the students admitted in the First Year and third to eighth semester for the students directly admitted at Second Year. It is calculated in the same manner as the SGPA.
- In case of a student passing a course in which he/she failed or in case of improvement, the earlier grade would be replaced by the new grade in calculation of the SGPA and CGPA.

RESULT: (Rule 9 of 'Rules and Regulations for UG Credit System')

- Based on the performance of the student in the semester examinations, the SPPU will declare the results and issue the Semester Grade sheets.
- The class shall be awarded to a student on the CGPA calculated as mentioned in the above Rule.
- The award of the class shall be as per the following table:

Sr.No.	CGPA	Class of the Degree Awarded
1	7.75 or More	First Class with Distinction
2	6.75 or More but less than 7.75	First Class
3	6.25 or More but less than 6.75	Higher Second Class
4	5.5 or More but less than 6.25	Second Class

❖ Please refer the following links of SPPU, Pune:

➤ **Link for Detailed Course and Credit structure**

http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202019/Rules%20and%20Regulations%20F.E.%202019%20Patt_10.012020.pdf

➤ **Link for First Year Engineering 2019 Pattern Syllabus**

http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202019/First%20Year%20Engineering%202019%20Patt.Syllabus_05.072019.pdf

❖ **Note:** Please visit SPPU website (<http://www.unipune.ac.in/>) for regular updates

Prevention and Prohibition of Ragging

1. As per SPPU Circular VMM/2017-18/904 dated 04/06/2018, if a student is found involved in any sort of ragging, his/her admission will be cancelled.
2. **Strict action will be taken against ragging as per the Maharashtra Prohibition of Ragging Act 1999 and the 'Prevention and Prohibition' of ragging as published in AICTE approval process handbook; and their amendments published from time to time. Maharashtra Prohibition of Ragging Act 1999 which is in effect from 15th May 1999 has the following provisions for Action against Ragging:**
 - a) Ragging within or outside the campus is prohibited.
 - b) Whosoever directly or indirectly commits, participates in, abets, or propagates ragging within or outside an educational institution shall, on conviction, be punished with **imprisonment** for a term up to **2 years** and / or penalty which may extend to **Ten Thousand Rupees**.
 - c) Any student convicted of an offence of ragging shall be dismissed from the educational institution and such student **shall not be admitted in any other educational institution for a period of five years** from the date of order of such dismissal.
3. The Institute has constituted an Anti-Ragging Committee to prevent ragging incidents. The students are advised to contact the Director/Principal/Head of Department/Anti-Ragging Committee Members/Hostel Warden for any support/ information. The complaints regarding ragging should be brought to the notice of the Director/Principal. In addition to Anti-Ragging Committee, the College Grievance Redressal Cell (CGRC) is also constituted. The contact numbers and email IDs are provided in this brochure at the end.
4. For UGC regulations on Curbing the Menace of Ragging in Higher Education Institutions, refer to below link:
http://www.unipune.ac.in/other_academic_and_service_units/board_students_welfare/pdf/BSD%20Guideline%20Book%2026102017_27102017.pdf
5. Use website www.antiragging.in and www.amanmovement.org to fill and submit the anti-ragging undertaking form.

Anti-Ragging- helpline number:

1800 180 5522 (Toll Free)

E-mail: helpline@antiragging.in

Important Instructions

1. Students should read notices (main/department notice board) regularly and visit PICT website (www.pict.edu), for all information, notices, course material, laboratory assignments, etc.
2. **Attendance Policy:**
 - 75% attendance in each head of passing of theory and /or practical, oral, term work is compulsory as prescribed by SPPU. Student who do not satisfy this condition will be detained and his/her term will not be granted. The concerned authorities will be informed accordingly.
 - However, the shortage of attendance can be condoned by the Principal on the recommendations of the HOD, on account of bona-fide illness, participation in competitions (Co-curricular and Extra-curricular), valid personal reasons etc.; with prior permission from HOD/Principal, as per the University norms.
 - In case, a student is permitted to participate in the N.S.S. Camps or to undergo a Training or Military Duties/Inter-University/ Inter-Collegiate Competitions /Intra-Collegiate Competitions /Sports and Games by the University or College authorities, the actual number of days spent for participation in these activities shall be counted towards the attendance of the student. However, prior permission from the Class Coordinator/HOD is mandatory. Student should submit the participation certificate soon after the event.
 - The students are encouraged to undergo internship/training activities as per the College/SPPU policy. The students are expected maintain minimum 75% attendance in all subjects for smooth participation in Training & Placement, and Internship activities, etc.
3. To discourage unauthorized absence, penalties may be imposed (as per decision taken from time to time). **Participation in mass bunking will be viewed very seriously and shall invite appropriate punitive actions.**
4. Term Work Marks will be calculated transparently on continuous assessment basis.
5. Parents are requested to meet/contact the concerned teachers at least once in a month.
6. Every student has a Teacher Counselor cum Guardian (**TG**). Students & Parents must be in contact with their TG on regular basis. They can seek guidance/help from TG, in case they face any problems. The parents should contact respective TG for any clarification related to their ward.

PICT Alumni Association

PICT Alumni Association (**PAA**) try to foster a meaningful, ever lasting relationship between Alumni and Almamater. The Alumni committee aims to strengthen ties between PICT and the Alumni. PICT page on LinkedIn has more than **11,000** followers. There is a group named **“PICT Alumni Association”** on LinkedIn and Facebook. PPA also provide support to various events such as **InC** and **Credez Tech Dayz (CTD)**. The then Principal of PICT **Dr. Prahlad T. Kulkarni** conducted Alumni Meet at **San Francisco, Boston, and New York** in the year 2018.



Silver Jubilee Batch 1994 Batch & 1987-93 Batch
Reunion



Alumni Meet 2019



Alumni Meet 2018 at San Francisco

Contact Information

PICT

Phone: +91-020-24371101
Fax: +91-020-24364741

DIRECTOR

Email: director@pict.edu
Phone: +91-020-24372478 (D)

PRINCIPAL

Email: principal@pict.edu
Phone: +91-020-24371101
Ext. 104

REGISTRAR

Email: registrar@pict.edu
Phone: +91-020-24371101
Ext.120

HoD - FIRST YEAR
ENGINEERING

Email: hodfe@pict.edu
Phone: +91-020-24371101 Ext.500

ANTI-RAGGING
COMMITTEE
INCHARGE

Email: pdjadhav@pict.edu
Mobile: +91 9226419331
Phone: +91-020-24371101 Ext.556

Important Links

Pune Institute of Computer Technology

<https://www.pict.edu/>

All India Council for Technical Education

<https://www.aicte-india.org/>

Directorate of Technical Education
Maharashtra

<http://www.dtemaharashtra.gov.in/index.html>

Savitribai Phule Pune University

<http://www.unipune.ac.in/>

DBT Portal

<https://mahadbttmahait.gov.in/>

IEEE Xplore Digital Library

<https://ieeexplore.ieee.org/Xplore/home.jsp>

Access Engineering Library

<https://www.accessengineeringlibrary.com/>

PICT Digital Library

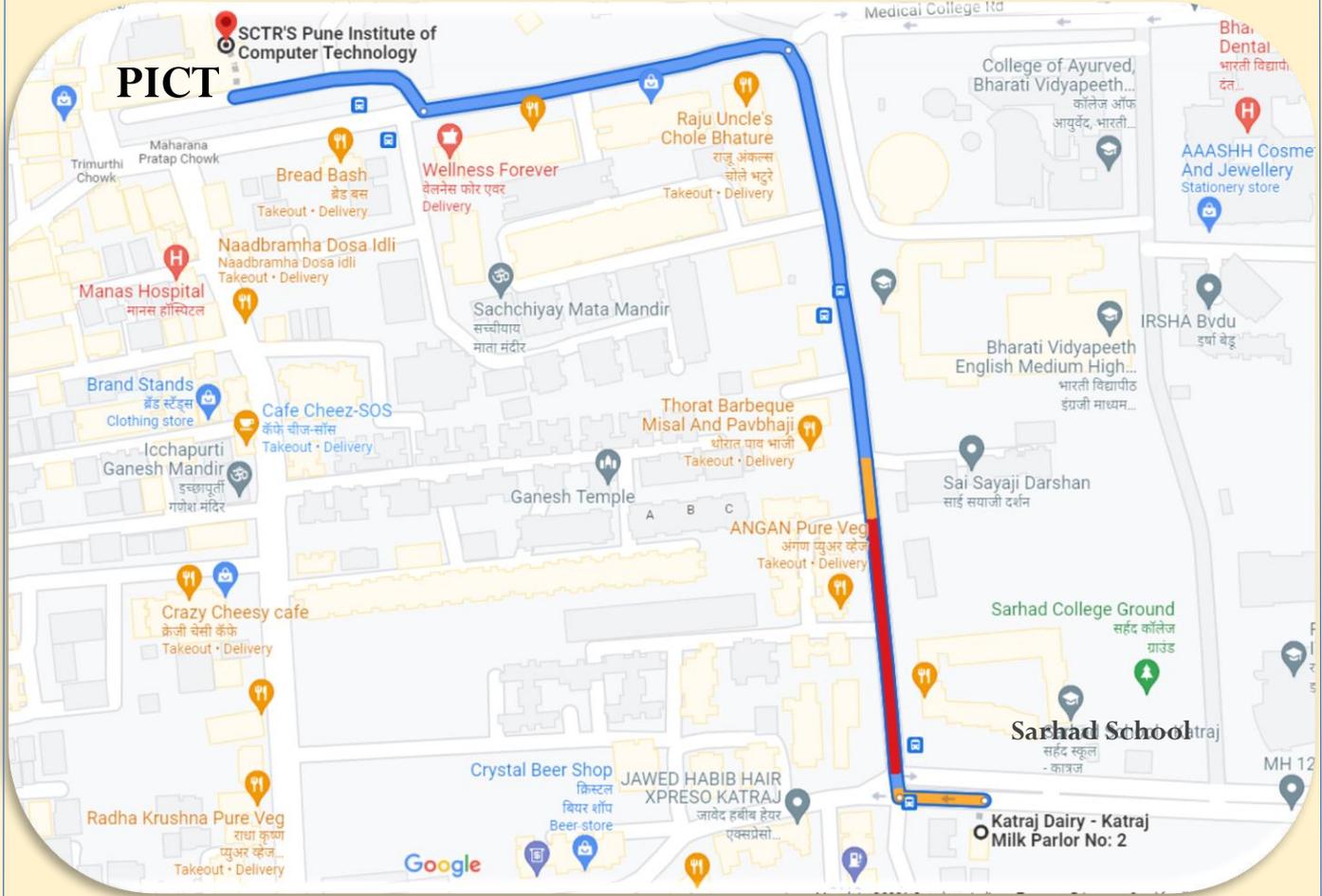
10.10.15.220:8080/library

Internal Complaint Committee

https://pict.edu/various_committees/

Map

From Katraj Dairy (Parlor 2)/Sarhad School to PICT



Distance from	km
Airport	18
Pune Railway Station	10
Shivaji Nagar Bus Stop	09
Swargate Bus Stop	06



FE Block

SCTR's

Pune Institute of Computer Technology

Survey No. 27, Near Trimurti Chowk, Dhankawadi,
Pune-411043

Phone: +91 20 24371101 Fax: 020 24364741

Website: www.pict.edu